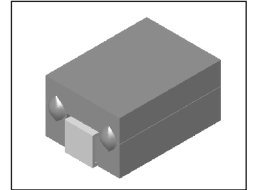


SMT Power Inductor

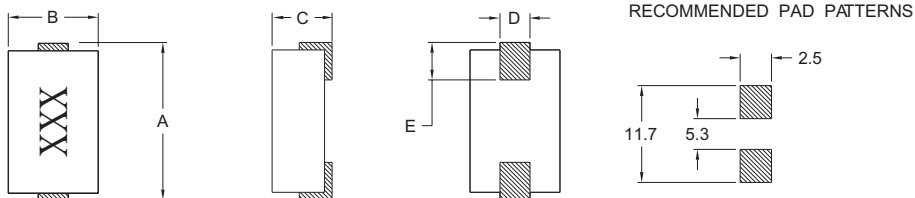
HCB1190B Type

Features

- RoHS compliant.
- Small size, low profile, SMD type.
- Magnetic shielded, suitable for high density mounting..
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.



Mechanical Dimension :



UNIT : mm/inch
 A = 11.20 / 0.441 Max.
 B = 11.20 / 0.441 Max.
 C = 9.00 / 0.354 Max.
 D = 2.00 / 0.079
 E = 2.50 / 0.098

Electrical Characteristics : At 25°C: 100KHz, 1V

PART NO.	L ¹ (nH)	DCR (mΩ) MAX	Isat ² (Adc)	Irms ³ (Adc)
HCB1190B-221	225	0.70	65	35
HCB1190B-271	270	0.70	55	35
HCB1190B-321	325	0.70	40	35
HCB1190B-471	470	0.70	40	35

1. Tolerance of inductance is $\pm 20\%$.
2. Isat is the DC current which cause the inductance drop approximately 20% of its nominal inductance without current.
3. Irms is the DC current which cause the surface temperature of the part increase less than 55°C.
4. Operating temperature : -20°C to 105°C (including self-temperature rise).



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